

BBBBBBBB		AAAAAA		RRRRRRRR		SSSSSSSS	
BBBBBBBB		AAAAAA		RRRRRRRR		SSSSSSSS	
BB	BB	AA	AA	RR	RR	SS	
BB	BB	AA	AA	RR	RR	SS	
BB	BB	AA	AA	RR	RR	SS	
BB	BB	AA	AA	RR	RR	SS	
BBBBBBBB		AA	AA	RRRRRRRR		SSSSSS	
BBBBBBBB		AA	AA	RRRRRRRR		SSSSSS	
BB	BB	AAAAAAAAAA		RR	RR		SS
BB	BB	AAAAAAAAAA		RR	RR		SS
BB	BB	AA	AA	RR	RR		SS
BB	BB	AA	AA	RR	RR		SS
BBBBBBBB		AA	AA	RR	RR	SSSSSSSS	
BBBBBBBB		AA	AA	RR	RR	SSSSSSSS	

....
....
....
....

LL		IIIIII		SSSSSSSS	
LL		IIIIII		SSSSSSSS	
LL		II		SS	
LL		II		SS	
LL		II		SS	
LL		II		SS	
LL		II		SSSSSS	
LL		II		SSSSSS	
LL		II			SS
LL		II			SS
LL		II			SS
LL		II			SS
LLLLLLLLLL		IIIIII		SSSSSSSS	
LLLLLLLLLL		IIIIII		SSSSSSSS	


```
0001 0 MODULE BARS (
0002 0 IDENT = 'V04-000'
P 0003 0 %BLISS32[
P 0004 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
0005 0 ]
0006 0 ) =
0007 1 BEGIN
0008 1
0009 1
0010 1 *****
0011 1 *
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0029 1 *
0030 1 *
0031 1 *****
0032 1
0033 1
0034 1 ++
0035 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
0036 1
0037 1 ABSTRACT: Processes .BEGIN BAR, .END BAR, .ENABLE BAR and .DISABLE BAR commands
0038 1
0039 1
0040 1 ENVIRONMENT: Transportable
0041 1
0042 1 AUTHOR: R.W.Friday CREATION DATE: September, 1978
0043 1
```

BARS
V04-000

Revision History

D 8
15-Sep-1984 23:49:35
14-Sep-1984 13:05:32

VAX-11 BLISS-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]BARS.BLI;1 Page 2 (2)

..	45	0044	1	%SBTTL 'Revision History'
..	46	0045	1	
..	47	0046	1	MODIFIED BY:
..	48	0047	1	
..	49	0048	1	005 KFA00005 Ken Alden 27-Jun-1983
..	50	0049	1	Restored this module to pre-dsrplus days so that disable
..	51	0050	1	bar does not restore the left margin.
..	52	0051	1	
..	53	0052	1	004 KFA00004 Ken Alden 07-Mar-1983
..	54	0053	1	Global edit of all modules. Updated module names, idents,
..	55	0054	1	copyright dates. Changed require files to BLISS library.
..	56	0055	1	
..	57	0056	1	--


```
59      0057 1 %SBTTL 'Module Level Declarations'
60      0058 1
61      0059 1
62      0060 1 | TABLE OF CONTENTS:
63      0061 1 |
64      0062 1 |
65      0063 1 | INCLUDE FILES:
66      0064 1 |
67      0065 1 |
68      0066 1 LIBRARY 'NXPORT:XPORT';      ! XPORT Library
69      0067 1 REQUIRE 'REQ:RNODEF';      ! RUNOFF variant definitions
70      0198 1
71      U 0199 1 %IF DSRPLUS %THEN
72      U 0200 1 LIBRARY 'REQ:DPLLIB';      ! DSRPLUS BLISS Library
73      0201 1 %ELSE
74      0202 1 LIBRARY 'REQ:DSRLIB';      ! DSR BLISS Library
75      0203 1 %FI
76      0204 1
77      0205 1 |
78      0206 1 | MACROS:
79      0207 1 |
80      0208 1 |
81      0209 1 | EQUATED SYMBOLS:
82      0210 1 |
83      0211 1 |
84      0212 1 | OWN STORAGE:
85      0213 1 |
86      0214 1 |
87      0215 1 | EXTERNAL REFERENCES:
88      0216 1 |
89      0217 1 |
90      0218 1 EXTERNAL
91      0219 1     GCA : GCA_DEFINITION,
92      0220 1     IRAC : IRAC_DEFINITION,
93      U 0221 1 %IF DSRPLUS %THEN
94      U 0222 1     IRA : FIXED_STRING,
95      U 0223 1     SCA : SCA_DEFINITION,
96      0224 1 %FI
97      0225 1     TSF : TSF_DEFINITION;
98      0226 1
99      U 0227 1 %IF DSRPLUS %THEN
100     U 0228 1 EXTERNAL ROUTINE
101     U 0229 1     GETQC,
102     U 0230 1     RSKIPS;
103     0231 1 %FI
104     0232 1
```

```
106 0233 1 GLOBAL ROUTINE BARS (HANDLER_CODE) : NOVALUE = !
107 0234 1
108 0235 1 ++
109 0236 1 FUNCTIONAL DESCRIPTION:
110 0237 1
111 0238 1 See the ABSTRACT, above.
112 0239 1
113 0240 1 FORMAL PARAMETERS:
114 0241 1
115 0242 1 HANDLER_CODE indicates which command is to be processed.
116 0243 1
117 0244 1 IMPLICIT INPUTS: None
118 0245 1
119 0246 1 IMPLICIT OUTPUTS: None
120 0247 1
121 0248 1 ROUTINE VALUE:
122 0249 1 COMPLETION CODES: None
123 0250 1
124 0251 1 SIDE EFFECTS: None
125 0252 1
126 0253 1 --
127 0254 1
128 0255 2 BEGIN
129 0256 2
130 0257 2 SELECTONE .HANDLER_CODE OF
131 0258 2 SET
132 0259 2
133 0260 2 [H_BEGIN BAR] :
134 0261 2 BEGIN
135 U 0262 2 %IF DSRPLUS %THEN
136 U 0263 2 LOCAL
137 U 0264 2 NEW_CHANGE_CHAR;
138 U 0265 2 !Skip spaces and tabs until the (optional) quoted character.
139 U 0266 2 RSKIPS (IRA);
140 U 0267 2 !Get an optional character. If supplied, turn on bars only if the
141 U 0268 2 !character matches the current change-bar character.
142 U 0269 2 NEW_CHANGE_CHAR = GETQC ();
143 U 0270 2 IF .NEW_CHANGE_CHAR EQL -1 !User didn't supply new character.
144 U 0271 2 OR .NEW_CHANGE_CHAR EQL .SCA_BAR_CHAR !Character supplied matches current change-bar.
145 U 0272 2 THEN
146 U 0273 2 BEGIN
147 U 0274 2 %FI
148 U 0275 2 GCA_BARS_ON = TRUE; !Indicate input text should be BARed if BARS are ena
149 U 0276 2 GCA_BARS = .GCA_BARS_ENAB; !...
150 U 0277 2 %IF DSRPLUS %THEN
151 U 0278 2 END;
152 U 0279 2 %FI
153 0280 2 END;
154 0281 2
155 0282 2 [H_END BAR] :
156 0283 2 BEGIN
157 0284 2 GCA_BARS_ON = FALSE; !Turn off generation of bars.
158 0285 2 GCA_BARS = FALSE; !...
159 0286 2 END;
160 0287 2
161 0288 2 [H_ENABLE_BAR] :
162 0289 2 BEGIN
```



```
163 U 0290 3 %IF DSRPLUS %THEN
164 U 0291 LOCAL
165 U 0292 NEW_CHANGE_CHAR;
166 U 0293
167 U 0294 !Skip spaces and tabs until the (optional) quoted character.
168 U 0295 RSKIPS (IRA);
169 U 0296 !Get an optional character. If supplied, replace the change-bar
170 U 0297 !character with it.
171 U 0298 NEW_CHANGE_CHAR = GETQC ();
172 U 0299 IF -.NEW_CHANGE_CHAR GTR 0 !No character supplied (or error)
173 U 0300 THEN !if GETQC() returns value LEQ 0.
174 U 0301 SCA_BAR_CHAR = .NEW_CHANGE_CHAR;
175 U 0302 %FI
176 U 0303
177 U 0304 GCA_BARS_ENAB = .GCA_CMD_BAR; !Enable bars unless forbidden on the command line.
178 U 0305 GCA_BARS = .GCA_CMD_BAR AND .GCA_BARS_ON;
179 U 0306 GCA_EVER_BARS = .GCA_BARS_ENAB; !Change bars have been enabled in this document.
180 U 0307
181 U 0308 END;
182 U 0309 [H_DISABLE_BAR] :
183 U 0310 BEGIN
184 U 0311 GCA_BARS_ENAB = FALSE; !Disable generation of change bars.
185 U 0312 GCA_BARS = FALSE; !...
186 U 0313 END;
187 U 0314 TES;
188 U 0315
189 U 0316 !Associate change-bar characteristics with the input file.
190 U 0317 IRAC_BARS = .GCA_BARS;
191 U 0318
192 U 0319 END; !End of BARS
```

FC	A2	01	04	A2	00	04	00000000G	0004 00000	EF 9E 00002	MOVAB	GCA+24, R2	: 0233
				07	00		04		AC D0 00009	MOVL	HANDLER_CODE, R0	: 0257
									50 D1 0000D	CMPL	R0, #7	: 0260
									0C 12 00010	BNEQ	1\$: 0275
									01 88 00012	B!SB2	#1, GCA+28	: 0276
									62 F0 00016	INSV	GCA+24, #0, #1, GCA+20	: 0257
									42 11 0001C	BRB	5\$: 0282
				38					50 D1 0001E	CMPL	R0, #56	: 0284
									06 12 00021	BNEQ	2\$: 0285
									01 8A 00023	BICB2	#1, GCA+28	: 0288
									33 11 00027	BRB	4\$: 0303
				2F					50 D1 00029	CMPL	R0, #47	: 0304
									26 12 0002C	BNEQ	3\$:
62		01		00	34	A2	F0 0002E	INSV	GCA+76, #0, #1, GCA+24			:
50	34	A2		01		00	EF 00034	EXTZV	#0, #1, GCA+76, R0			:
51	04	A2		01		00	EF 0003A	EXTZV	#0, #1, GCA+28, R1			:
				51		51	D2 00040	MCOML	R1, R1			:

BARS
V04-000

Module Level Declarations

H 8
15-Sep-1984 23:49:35
14-Sep-1984 13:05:32

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[RUNOFF.SRC]BARS.BLI;1

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FC	A2	01	50	51	8A	00043	BICB2	R1, R0	
08	A2	01	00	50	F0	00046	INSV	R0, #0, #1, GCA+20	
			00	62	F0	0004C	INSV	GCA+24, #0, #1, GCA+32	0305
			12	0C	11	00052	BRB	5\$	0257
				50	D1	00054	CMPL	R0, #18	0309
				07	12	00057	BNEQ	5\$	
			62	01	8A	00059	BICB2	#1, GCA+24	0311
			A2	01	8A	0005C	BICB2	#1, GCA+20	0312
00000000G	EF	01	00	01	F0	00060	INSV	GCA+20, #0, #1, IRAC	0317
				A2	F0	00060	INSV		0319
				04	0006A		RET		

; Routine Size: 107 bytes, Routine Base: \$CODE\$ + 0000

: 193 0320 1
: 194 0321 1 END
: 195 0322 0 ELUDOM
!End of module

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	107	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	20	1	86	00:00.3

COMMAND QUALIFIERS

; BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:BARS/OBJ=OBJ\$:BARS MSRC\$:BARS/UPDATE=(ENHS\$:BARS)

; Size: 107 code + 0 data bytes
; Run Time: 00:03.9
; Elapsed Time: 00:10.4
; Lines/CPU Min: 4941
; Lexemes/CPU-Min: 17386
; Memory Used: 38 pages
; Compilation Complete

0337 AH-BT13A-SE
VAX/VMS V4.0

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